

APPROVED	BY	CLASS	SUBCLASS
DRAFTSMAN			

JCS96-01A

INITIAL FMN BINDING REGION					
NCPR_HUMAN	TGRNIIIVFYG	SQTGTAAEFA	NRLSKD.AHR	YGMRGMSADP	115
NOSE_BOVIN	GTLMMAKRV..	KATILYA	QQLGRLFRKA	FDPRVLCMD.	556
NOSE_RAT	QOAMAKRV..	KATILYA	KTLCIEFKHA	FDAKAMSME.	789
NOSM_MOUSE	RKVMASRV..	RATVLFA	DLATLFSYA	FNTKVVCMDF.	567
FLAV_ECOLI	.....	..ATGIFFFG	SDTGNTENTIA	.D.VADVHDI	35
FLAV_DESVH	.....	.MPKALIVYG	STTGNTTEYTA	.GYEVDSRDA	38
FLANKING LOOP					
NCPR_HUMAN	LPEIDNALVV	FCMATYGEGD	PTDNAQDFYD	WL.QE.	159
NOSE_BOVIN	EYDVVSL..	EHETLVL	VVTSTFGNGD	PPENGESFAA	599
NOSE_RAT	EYDIVHL..	EHEALVL	VVTSTFGNGD	PPENGEKFGC	831
NOSM_MOUSE	QYKASTL..	EEEQLL	VVTSTFGNGD	CPSNGQTLKK	606
FLAV_ECOLI	AKSSKEDL..	EAYDILL	LGIPTWYYGE	..AQCDWD	70
FLAV_DESVH	ASVEAGGLF	EGFDLVL	LGCSTWGDDS	IE..LQDDFI	76
LOCATION OF REGULATORY LOOP INSERT					
NCPR_HUMAN	.....	.....	.....	TDVDLSGVRF	169
NOSE_BOVIN	NSSPRPEQHK	SYKIRFNSVS	CSDPLVSSWR	RKRKESSNTD	649
NOSE_RAT	NS..VQEERK	SYKVRFNSVS	SYSDSRKSSG	DGPDLRDNE	879
NOSM_MOUSE	.....	.....	.....	..RELNHTFRY	615
FLAV_ECOLI	.....	.....	.....	EEIDFNGKLV	82
FLAV_DESVH	.....	.....	.....	EETGAQGRKV	88
THIRD FMN SITE FLANKING LOOP					
NCPR_HUMAN	AVFGILGNKT.	Y.EHFNAMGK	YVDKRLEQLG	AQR.I	201
NOSE_BOVIN	CVFGILGSRA.	Y.PHFCAFIA.	AVDTRLEELG	GER.L	680
NOSE_RAT	SVFGILGSRA.	Y.PHFCAFGH	AVDTLLEELG	GER.I	911
NOSM_MOUSE	AVFGILGSSM.	Y.PQFCAFAH	DIDQKLSHLG	ASQL	647
FLAV_ECOLI	ALFGCGDQED	YAEYFCDALG	TIRDIEPRG	ATIV	116
FLAV_DESVH	ACFGCGDSS.	Y.EYFCGAVD	AIEEKLNGLG	AEIV	120

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